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## <u>Claims</u>

 A method for purifying sequencing reaction product by removing unincorporated dye terminators from a sequencing reaction, comprising:

providing sequencing reaction product;

providing at least one ultrafiltration membrane having at least one surface;

providing a solution comprising an amount of guanidine effective for removing unincorporated dye terminators from said sequencing reaction;

introducing said sequencing reaction product and said solution to said at least one surface of said ultrafiltration membrane;

applying a driving force to said ultrafiltration membrane to produce purified sequencing reaction product.

- 2. The method of claim 1, further comprising resuspending said purified sequencing reaction product in a low ionic solution.
- 3. The method of claim 2, further comprising transferring said resuspended product to a substrate for sequencing.
- **4.** A method for purifying sequencing reaction product by removing unincorporated dye terminators from a sequencing reaction, comprising:

providing sequencing reaction product;

providing a plurality of wells, each well having an ultrafiltration membrane having at least one surface;

providing a solution comprising an amount of guanidine effective for removing unincorporated dye terminators from said sequencing reaction;

introducing said sequencing reaction product and said solution to each of said plurality of wells;

applying a driving force to each of said plurality of wells to produce purified sequencing reaction product.

- 5. The method of claim 4, further comprising resuspending said purified sequencing reaction product in a low ionic solution.
- 6. The method of claim 5, further comprising transferring said resuspended product to a substrate for sequencing.
- 7. A wash solution comprising guanidine or a salt thereof in a low ionic solution.





- 8. The wash solution of claim 7, wherein said low ionic solution comprises EDTA.
- 9. The wash solution of claim 7, wherein said salt is a chaotropic salt.
- 10. The wash solution of claim 7, wherein said salt is guanidine hydrochloride.
- 11. The wash solution of claim 7, wherein said salt is guanidine carbonate.
- 12. The wash solution of claim 7, further comprising dye terminators.
- **13.** The wash solution of claim **7**, wherein said amount of guanidine ranges from about 1 mM to about 60 mM.
- 14. The wash solution of claim 7, wherein said amount of guanidine is from about 1 mM to about 30 mM.
- **15.** The wash solution of claim **7**, wherein said amount of guanidine if from about 5 to about 10 mM.